

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-023497**Date Inspected:** 12-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	N/A	CWI Present:	Yes	No
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use: Yes No N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed: Yes No N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up: Yes No N/A
Approved Drawings:	Yes	No	N/A	Approved WPS: Yes No N/A
				Delayed / Cancelled: Yes No N/A

Bridge No: 34-0006**Component:** Orthotropic Box Girder(OBG)**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Manoj Prabhune was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

This QA Inspector randomly observed the following work in progress:

OBG # TRIAL ASSEMBLY YARD

DCP:

BAY 5

This QA received ZPMC inspection notification sheet 09110 to perform dimensional inspection of traveler rails identified as 3025TR1-002. Dimensional inspections performed on each of these traveler rails include, but is not limited to, overall length, thickness at typical section, Flange width at typical section, rail sweep, Depth typical section. The results of the inspection were recorded on Caltrans (CT) QA form "OBG DCP Hand Measurements Survey: Traveler Rails and submitted to CT QA lead for review.

BAY 5

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

This QA received ZPMC inspection notification sheet 09110 to perform dimensional inspection of Bike Path identified as 26BK2-001. Dimensional inspections performed on each of these Bike path include, but is not limited to, overall length, thickness at typical section, The results of the inspection were recorded on Caltrans (CT) QA form "OBG DCP Hand Measurements Survey: Traveler Rails and submitted to CT QA lead for review.

ZPMC SHIP # 18

This QA Inspector performed photo documentation along with Caltrans QA inspector (Mr.Manjunath Math) on segment lift 12 (East) located on ZPMC ship # 18 prior to being shipped to San Francisco California for erection. The following locations and members documented are as followed:

Lift 12 West (Panel Point 111.5 to 117) the following sequence of pictures were photographed

Segment # 12AE, 12BE, 12CE

1. Intermediate Corner Assembly for cross and vertical truss post bolting area (Cross Beam and Bike Path Side).
2. Longitudinal Diaphragm – Bike path side of segment.
3. Longitudinal Diaphragm – Crossbeam side of segment.
4. Corner Assembly covering overall view, Deck Panel I-stiffeners, Edge Panel I-Stiffeners and Side Cross Beam and Bike path Side.
5. Floor Beam- Cross Beam and Counter Weight Side facing west and facing east.
6. Lower and Upper Chevron of the Cross Beam and Counter weight Side facing west and east.

Unless otherwise noted, all work observed on this date appeared to generally comply with the applicable contract documents.

Summary of Conversations:

No significant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact James Devey - 15000026784, who represents the Office of Structural Materials for your project.

Inspected By:	Prabhune,Manoj	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
